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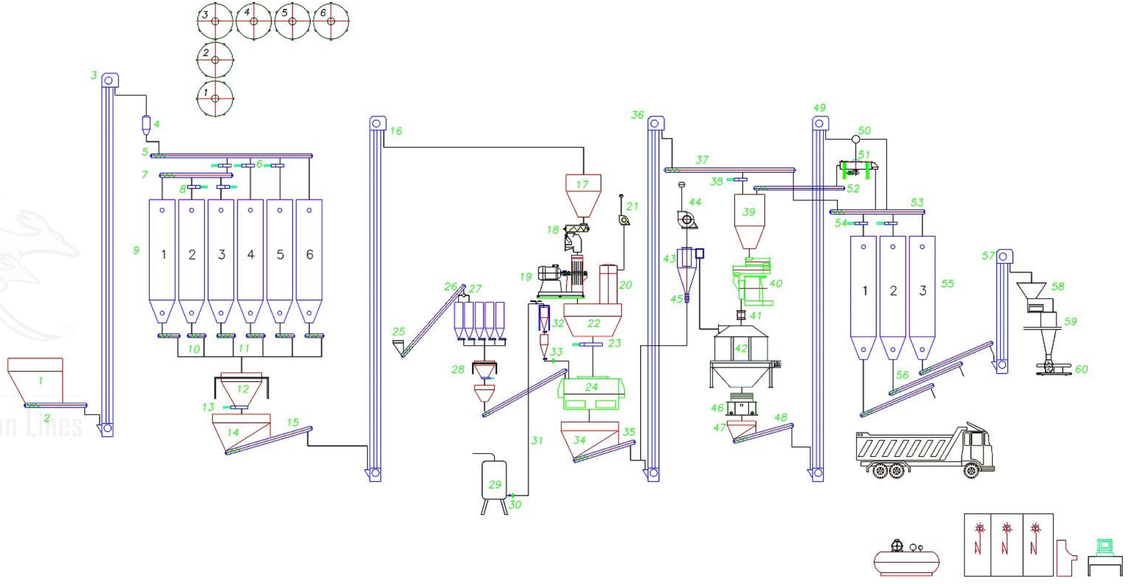
FEED
PRODUCTION LINE

GPS®
ASCOM MAKINA SAN. Tic .Ltd. Sti
Manufacturing Production Lines


GPS
ASCOM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GPS as-com Company is an American Company and its Head Office is in California Works in the Fields of Industry and Trade Including Food and Engineering Sector.

In 2009 it Bought 25% Shares of Some Turkish Factories to Produce Machines Which Allowing it the Opportunity to Manage the Sales of These Factories All Over the World.

- Chicken Feed
- Cows and Sheep Feed
- Fish Feeds
- Other type of feeds for animals
- Rendering boiler for the remnants
- Plant remnant feeds as bellet

GPS-ASCOM

1- Preparation and Reception Section

GGB

Crumbler Feeder 2

GEK

Drum Sifter 2

GZK

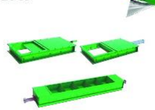
Chain Conveyor 3

GHL

Screw Conveyor 3

GKL

Pneumatic Gate 4

GPK

Pneumatic Gate 4

GMK

Tube Magnet 5

GRN

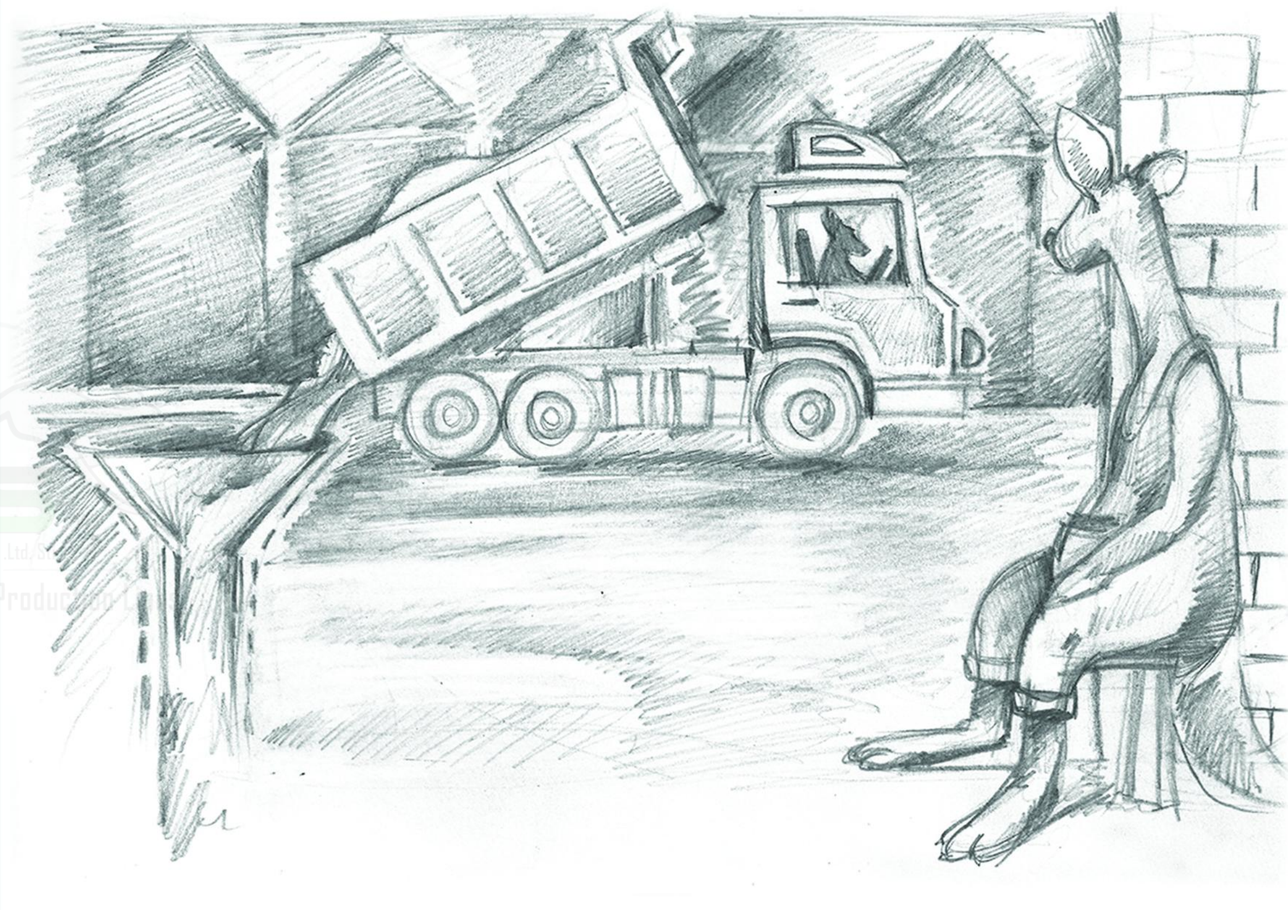
Z Magnet 5

GDB

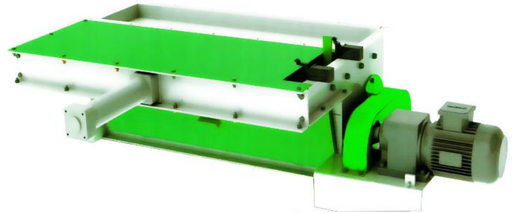
Distributor 5

GMPS

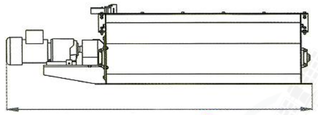
Air lock 5

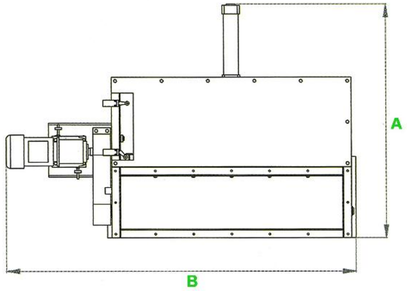


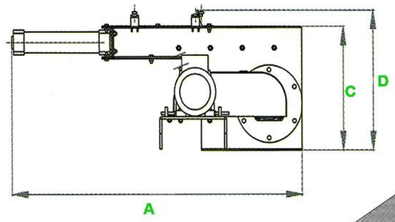
2 ▸ CRUMBLER FEEDER GGB



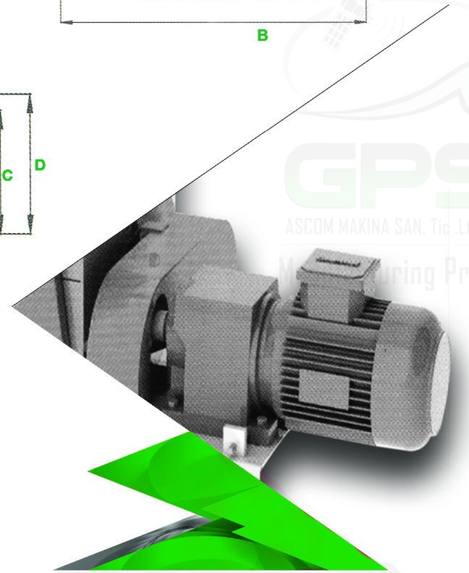
Coming pellets are received among valves by pneumatic gate
Drum ball controls received product level and regularity
Pneumatic gate is operated to avoid product flowing towards to valves during power or system failure
Driven by chain gear system







MODEL		DIMENSIONS				MOTOR POWER	CRUMBLER	QTY
		A	B	C	D			
GGB	250*1020	1100	1605	400	452	0,55 Kw	GR Ø 200*800	1
							GR Ø 200*1000	1
							GR Ø 300*1250	2
GGB	250*1520	1100	1750	500	550	1,1 Kw	GR Ø 350*1500	2



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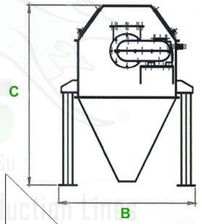
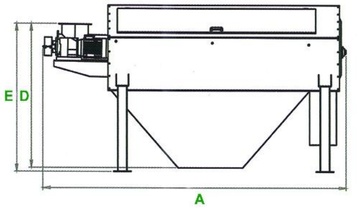
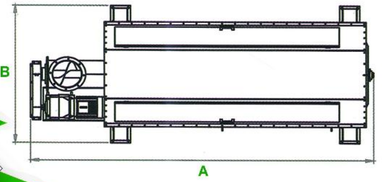
▸ DRUM SIFTER GEK

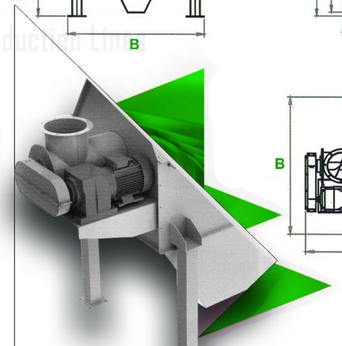
MODEL	DIMENSIONS					MOTOR POWER
	A	B	C	D	E	
GEK Ø700*1400	2400	1180	1530	1470	1570	1,5 Kw
GEK Ø900*2500	3775	1850	2156	1865	1915	3 Kw
GEK Ø940*1100	2100	1214	1750	1555	1750	1,5 Kw
GEK Ø1100*1900	3328	1460	2590	2100	2200	4 Kw

Available cyclical sifting system in body. Screen is fixed by rotor shaft and driven by motor. Product outlet bunker and waste product bunker are placed bottom body. It separates rough particles in semi-finished products. Inside structure of sifter allows waste product sling to waste product bunker. By this way raw material, semi-finished product and product can be passed through sifter wire

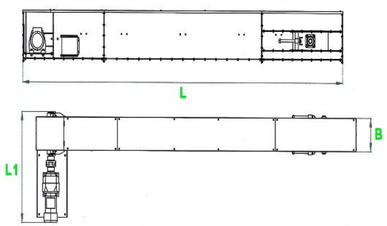


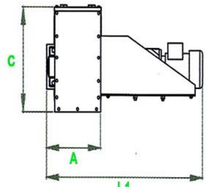




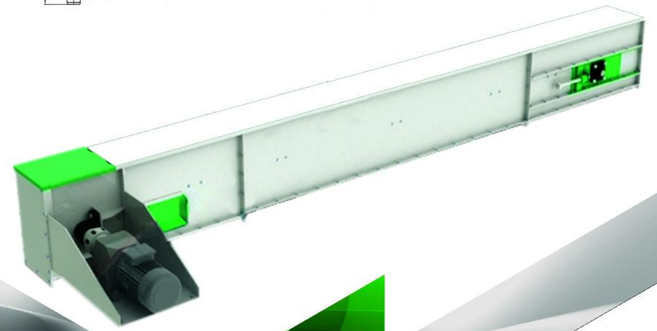


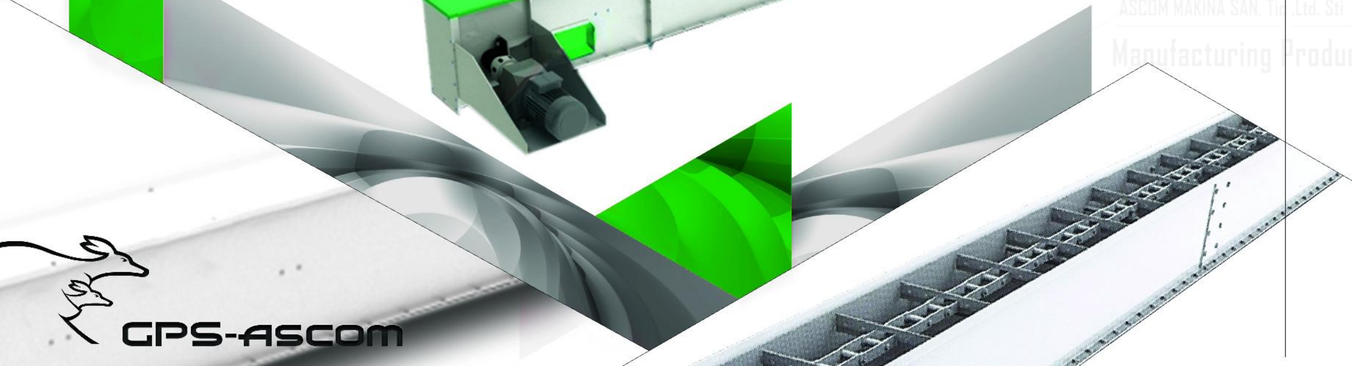
It is used for vertical transport of high tonnage cereals. It is designed with low pitch special carrier chains. Chain conveyors were adapted with plastic scrapers. For this reason, they work silently and achieve a better result. Cleaning and service covers allow easy use.





MODEL		DIMENSIONS		
		A	B	C
GZK	200*410	340	280	452
GZK	260*410	400	340	452
GZK	300*410	440	380	452
GZK	390*550	530	470	592





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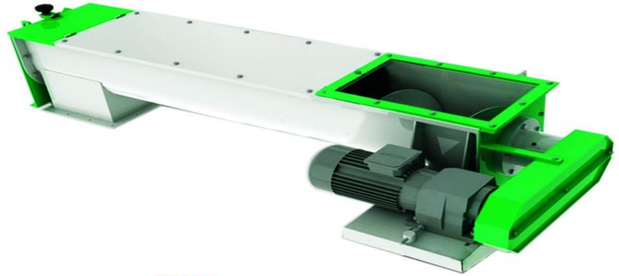
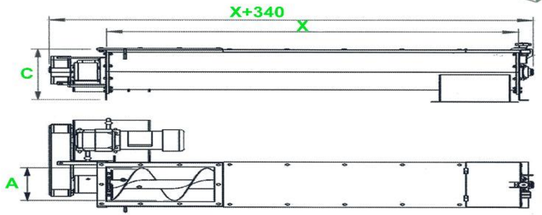
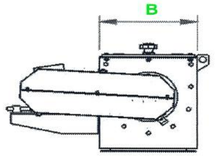
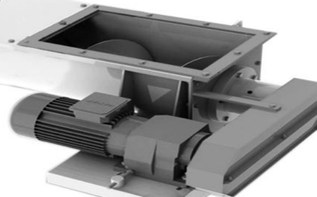
Screw conveyor is used for carrying , transferring mixing and wetting the raw materials of the feed in horizontal direction by the help of the leaves which have the same shape with screw



MODEL		DIMENSIONS		
		A	B	C
GHL	Ø80	80	180	200
GHL	Ø100	100	200	220
GHL	Ø120	120	220	240
GHL	Ø150	150	250	270
GHL	Ø160	160	280	330
GHL	Ø180	180	300	350
GHL	Ø200	200	320	370
GHL	Ø250	250	370	420
GHL	Ø300	300	420	470
GHL	Ø350	350	470	520
GHL	Ø400	400	520	570
GHL	Ø500	500	650	670





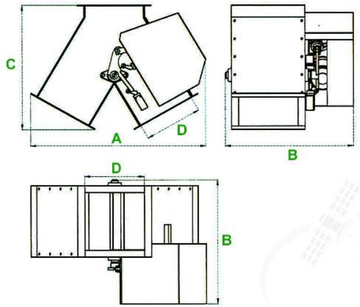


A

Tow-Way Symmetric

Flaps divert the product coming from top inlet to tow or three outlets

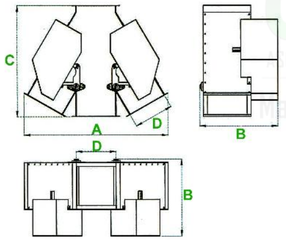
MODEL		DIMENSIONS			
		A	B	C	D
GKL	150*150	580	430	270	150
GKL	200*200	650	490	410	200
GKL	250*250	735	540	540	250
GKL	300*300	780	590	620	300
GKL	400*400	840	725	810	400



B

Three-Way Symmetric

MODEL		DIMENSIONS			
		A	B	C	D
GKL	150*150	640	430	525	150
GKL	200*200	790	490	640	200
GKL	250*250	940	540	740	250
GKL	300*300	1085	590	860	300
GKL	400*400	1490	725	1170	400



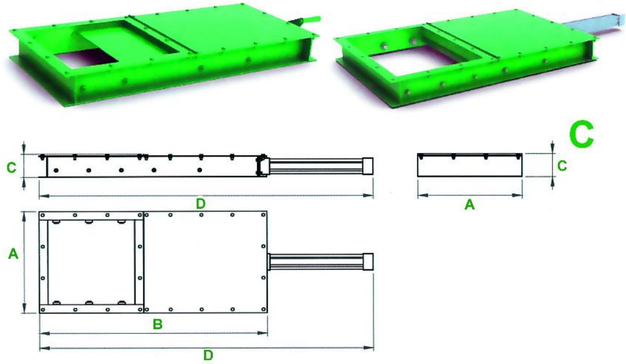
Machine directive 98/37/EC
Low voltage directive 73/23/EEC
Electro magnetic compatibility directive 89/336/EEC
Applicable harmonized Standard: 292-1, 292-2, EN 1050, EN 287, EN 60204-1, EN 61000, EN 55011

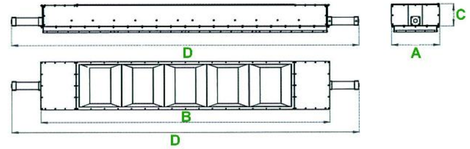
GPS-ASCOM

MODEL		DIMENSIONS			
		A	B	C	D
GPK	200*200	280	650	110	915
GPK	200*400	480	650	110	915
GPK	250*250	330	750	110	1075
GPK	250*250	680	750	110	1075
GPK	300*300	380	850	110	1222
GPK	300*600	680	850	110	1222
GPK	350*350	430	950	110	1372
GPK	390*600	680	1050	110	1537
GPK	400*200	280	1050	110	1537
GPK	400*400	480	1050	110	1537
GPK	400*600	680	1050	110	1537
GPK	500*500	580	1250	110	1837
GPK	600*300	380	1450	110	2121
GPK	600*390	470	1450	110	2121
GPK	600*400	480	1450	110	2121
GPK	600*900	980	1450	110	2121

Manual, Matorized and Pnematic Gate

Gates control product/semi finished product coming from silo machine to machine inlet/ outlet by open and close motion





MODEL		DIMENSIONS			
		A	B	C	D
GPK	600*3000	680	4080	310	4904
GPK	600*900	680	1480	370	1892
GPK	600*1800	680	2380	370	2792

Vogon Type Pneumatic Gate

Product in bunker with high capacity and wide outlet is discharged to connected machine speedly

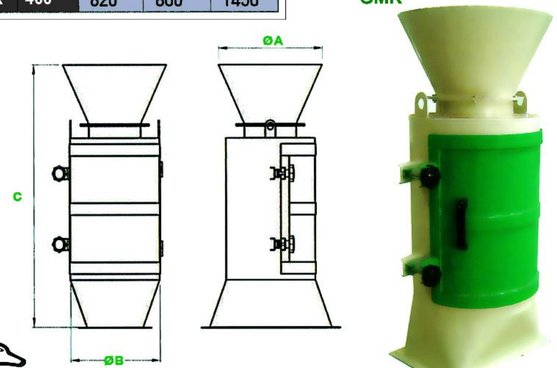
D

It is Designed to seperate metal paricles from products during flowing

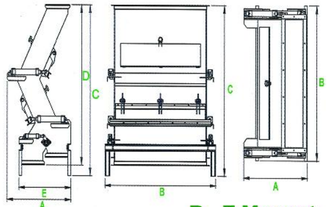
Magnet is held metal particles from powder or granular products in the process. Rocket shaped body is installed center of flowing pipe that enable to hold metal particles from coming products. You can easily clean them from maintanence gate periodically.

MODEL		DIMENSIONS		
		A	B	C
GMK	150	275	275	620
GMK	200	350	350	775
GMK	250	500	430	1050
GMK	300	600	490	1120
GMK	400	620	800	1450

A Tube Magnet
GMK



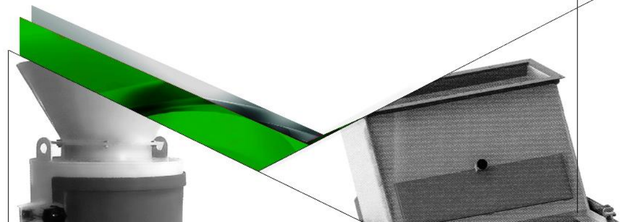
MODEL		DIMENSIONS				
		A	B	C	D	E
GRN	800	1032	1080	1982	1858	840
GRN	1500	1032	1800	1982	1858	840



B Z Magnet
GRN

It is Designed to seperate metal particles from product at semi finished product silo inlet as preliminary purification. It is an alternative to drum magnet

Product received to system, is entried from top bunker and spread through Z magnet walls. Director plates installed in body are prevented to held metals sliding.Magnets are controlled by piston outside of body. Product outlet and metal collecting outlet are seperated by flap from each other. Magnet is removed from body by flap after product receiving. Metal particles go out magnetic gravitational field and drop to metal collecting bunker.



Distributor;
It enables to divert the transporting material from one point to many points with reducer controlled.

MODEL		DIMENSIONS			
		A	B	C	D
GDB	ϕ 200	Disributors are manufactured With 40 - 18 pcs outlet			
GDB	ϕ 250				
GDB	ϕ 300				

Air lock; It enables to flowing control and dose the products as grain, food, powder and granule. It is connected to silo, bunker, pneumatic operated transporting systems.

GMPS

2-Mixing Section

GDG

Hammer Mill 7

GKRP

Mixer Paddle 7

GKRR

Mixers Ribbon 8

GBS

Feeder Of Hammer Mill 8

GFL

Powder Filters 9

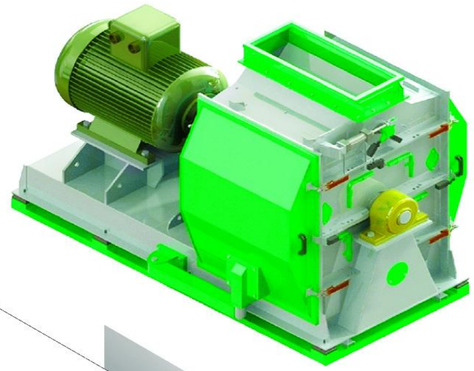
GFL

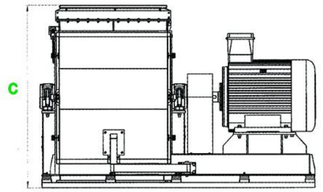
Powder Filters 9

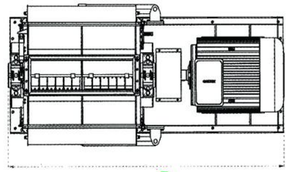
Working Principle

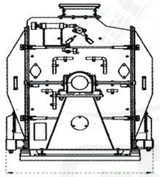
Product is regularly taken to hammer mill by feeder . Product is crushed by hammers and gone sifting thereby you take desired product size

MODEL		DIMENSIONS			MOTOR POWER
		A	B	C	
GDG	Ø650*450	1050	1800	1350	37 Kw
GDG	Ø1130*400	1390	2235	1805	90 Kw
GDG	Ø1130*600	1390	2335	1805	110 Kw
GDG	Ø1130*700	1390	2435	1805	132 Kw
GDG	Ø1130*800	1390	2535	1805	160 Kw
GDG	Ø1130*1000	1390	2735	1805	200 Kw
GDG	Ø1130*1200	1390	3300	1805	250 Kw



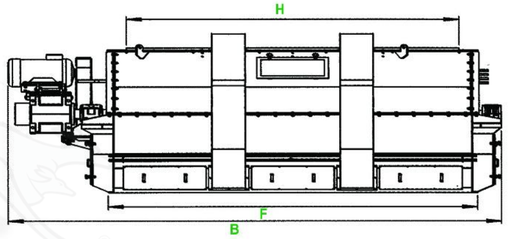


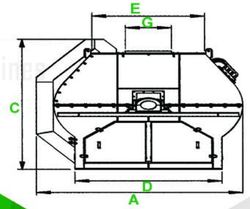


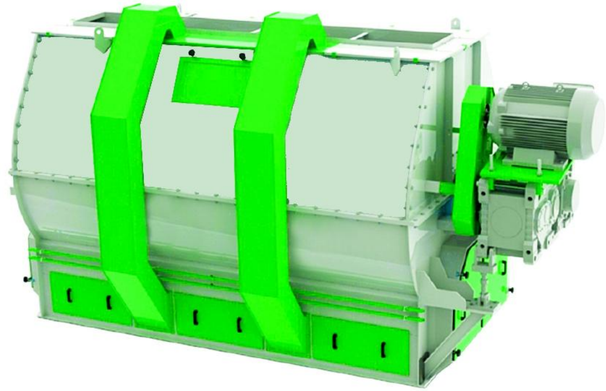


Paddle Mixer

Paddles on rotor are performed mixing. Paddle array is prevented product sticking to body and continously cleaned by scrapers.





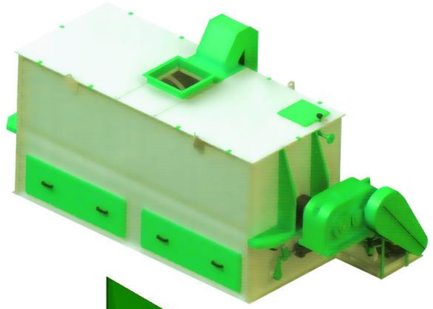


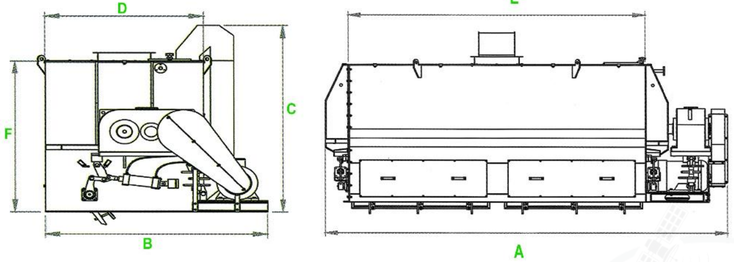
MODEL	DIMENSIONS									MOTOR POWER
	A	B	C	D	E	F	G	H	I	
GKRP 6500	1920	4200	2387	1700	900	3200	500	2200	1600	55 Kw
GKRP 13000	2670	4865	2133	1900	1460	3300	600	3000	2300	90 Kw
GKRP 18000	2670	5850	3133	1900	1460	4300	600	4000	2300	90 Kw
GKRP 22000	2875	6150	3383	2100	1460	4300	600	4000	2640	110 Kw

Ribbon Mixer

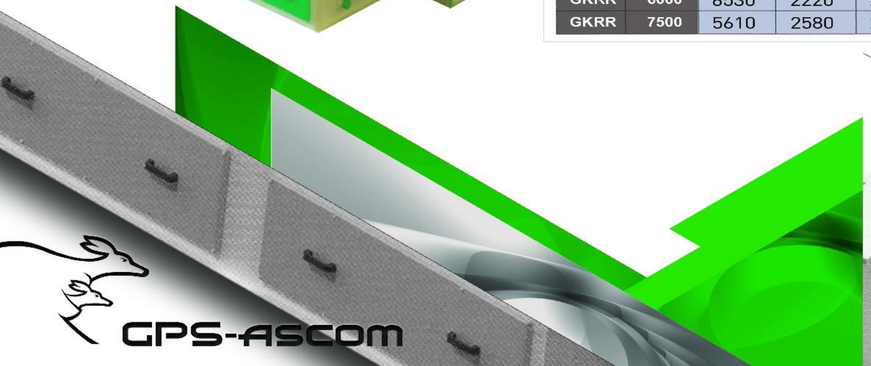
Working Principleto provide mixing

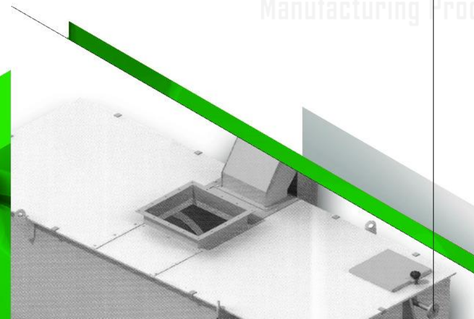
Double helix screw conveyor flights are mounted on single rotor on both sides.





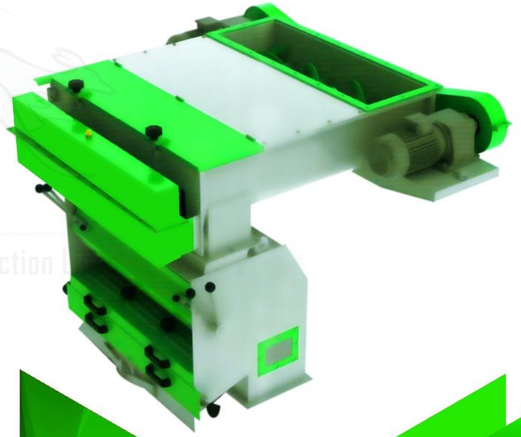
MODEL		DIMENSIONS						MOTOR POWER
		A	B	C	D	E	F	
GKRR	750	2650	1450	1600	950	1950	1300	3 Kw
GKRR	1500	3400	1872	1830	1260	2700	1530	5 Kw
GKRR	2250	3548	1972	1950	1370	2700	1535	15 Kw
GKRR	3000	4473	2080	2128	1480	3320	1723	30 Kw
GKRR	4500	4480	2200	2300	1700	3900	2000	30 Kw
GKRR	6000	6530	2220	2000	1600	5220	1700	40 Kw
GKRR	7500	5610	2580	2800	2050	4300	2500	75 Kw

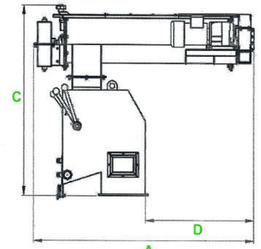


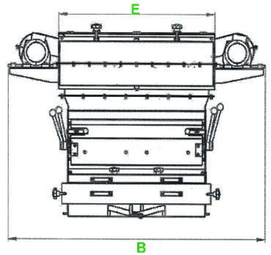


GPS-ASCOM

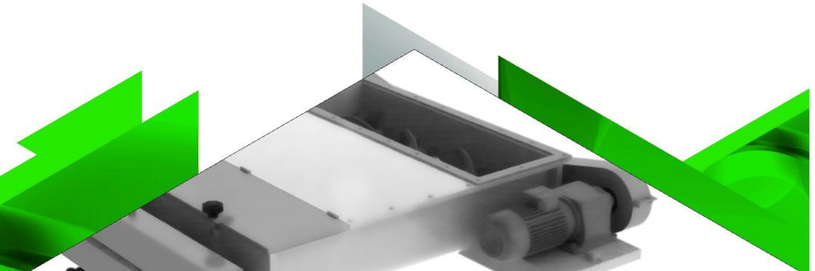
It consistsof 2-4 pcs screw conveyors coupled working. Product dose went to hammer mill is arranged by motor driver placed at bottom. Product going down from screw conveyor to feeding bunker is got into hammer mill by bottom gates.







MODEL		DIMENSIONS					MOTOR POWER	MOTOR QTY	SCREW CONVEYOR QTY	HAMMER MILL
		A	B	C	D	E				
GBS	400	1200	700	1100	650	280		1	2	DG Ø540x380 DG Ø650x450 DG Ø1130x400
GBS	600	1300	1000	1170	600			1	2	DG Ø1130x600
GBS	700	1390	1040	1240	475	600	2,2 Kw	1	2	DG Ø1130x700
GBS	800	1450	1200	1260	475	700	2,2 Kw	1	2	DG Ø1130x800
GBS	1000	1600	1870	1300	785	1135	1,5 Kw	2	4	DG Ø1130x1000
GBS	1200	1600	2120	1350	800	1350	2,2 Kw	2	4	DG Ø1130x1200

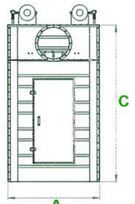


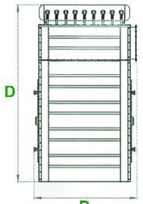
A - Powder Collection Unit

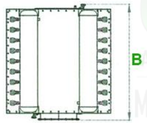
is designed to minimize powdering in surrounding

Working Principle

It is designed to collect the powder during grinding. Fan connected to machine, is vacuumed air from filter fabrics. Powders are sticked with vacuumed air to fabrics. Pulse valve is shaked up fabrics periodically and recycled powders to system.



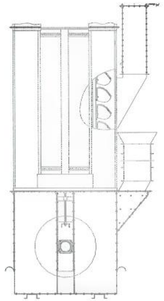




MODEL	DIMENSIONS				BAG QTY	VALVE QTY
	A	B	C	D		
GFL 1500*1500	1585	1775	2710	3060	81	18
GFL Ø 1500	1600	2090	3250	3500	57	22
GFL Ø 750	810	1070	1920	2170	12	4

B - Local Powder Collection Unit

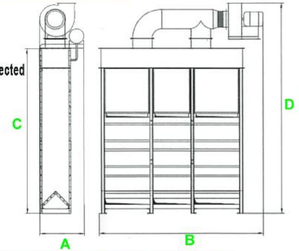
Local powder collection unit is placed to product falling point of transporting equipments as elevator, chain conveyor. Fan connected to machine, is vacuumed air from filter fabrics. Powders are sticked with vacuumed air to fabrics. Pulse valve is shaked up fabrics periodically and recycled powders to system.



C - Powder Collection unit

is designed to minimize powdering at raw material receiving bunker

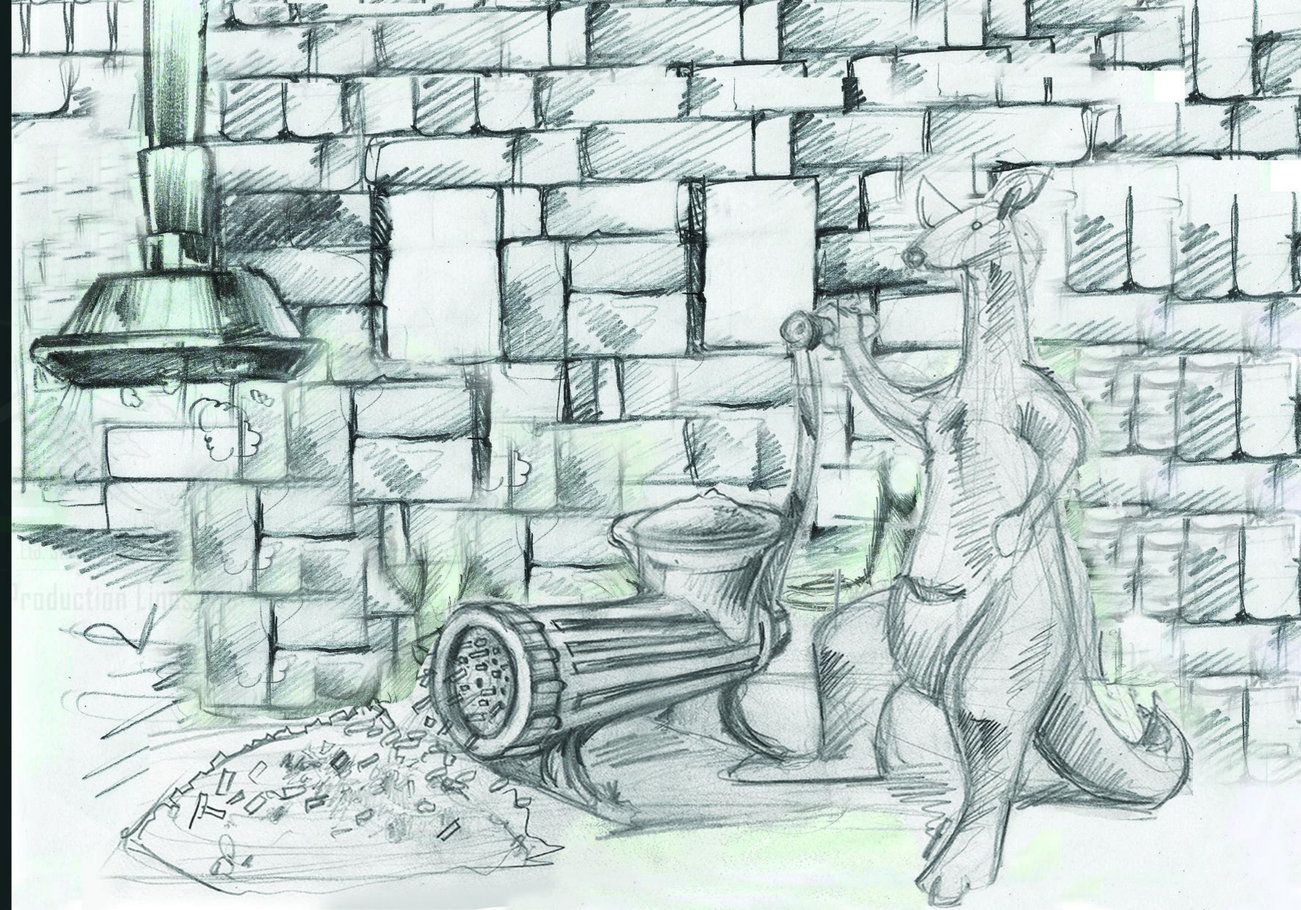
Powder collecting units are mounted to product pouring point
Same Level with grid on raw material receiving bunker. Fan connected
To machine, is vacuumed air from filter fabrics. Powders are
Sticked with vacuumed air to fabrics. Pulse valve is shaked up
fabrics periodically and recycled powders to system



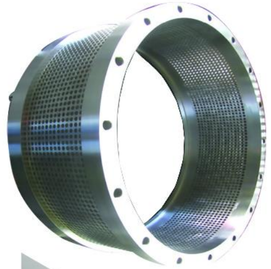
MODEL	DIMENSIONS				BAG QTY	VALVE QTY
	A	B	C	D		
GFL 2990*3378*665	905	2990	3378	4310	32	10
GFL 2990*3378*636	910	2990	3378	4350	32	10
GFL 3600*3500*800	1000	3600	3500	4550	51	17

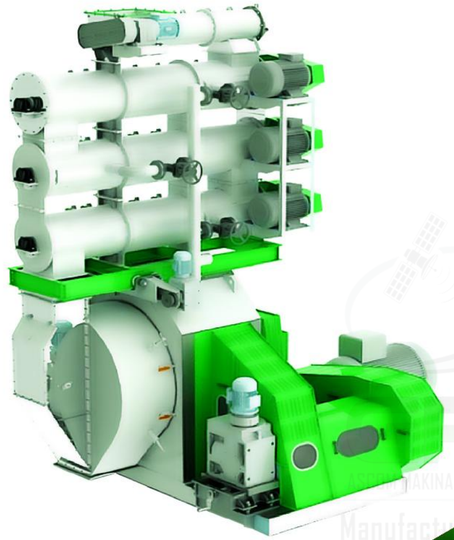
GPS-ASCOM

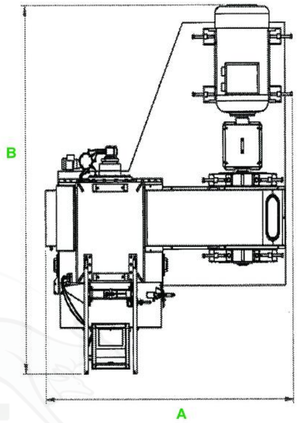
3- Pellet Section



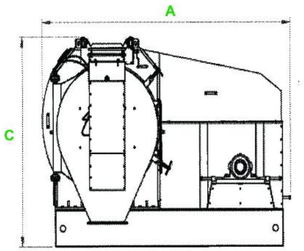
Semi finished product is carried by feeding screw conveyor to conditioner, double conditioner or pelpeak units. Steam softened product is gone to pressing section. Product evenly spreaded between die and rollers is pelleted in 1,5-12 mm. Pellet lenght can be arranged by knifes as requirements. Liquid adding is possible to using machines. Materials to be adding to product can be done automatically or manually.

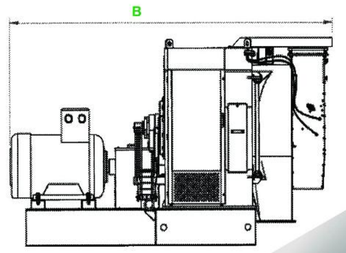






MODEL		DIMENSIONS			MOTOR POWER	ROLLER DIMETER	ROLLER QTY	PELLETING SURFACE (cm2)	TIP SPEED (500H) (m/s)
		A	B	C					
GPL	Ø453*112	2000	1700	1250	55 Kw	ø 210	2	1650	7,4
GPL	Ø520*132	2450	2300	1650	110 Kw	ø 250	2	2156	8,5
GPL	Ø520*175	2450	2350	1650	132 Kw	ø 250	2	2858	8,5
GPL	Ø660*230	2740	2700	1890	200 Kw	ø 320	2	4868	6,1
GPL	Ø760*230	2950	2900	1950	250 Kw	ø 350	2	5491	7,1
GPL	Ø900*250	3330	4020	2290	315 Kw	ø 365	2	7068	7,3
GPL	Ø1200*350	3610	5190	2780	560 Kw	ø 500	2	13194	6,1





GPS-ASCOM

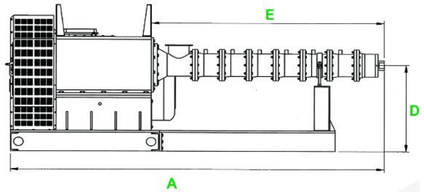
EXTRUDER GEK

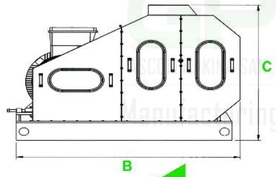
Soya

Available conditioner, feeding screw conveyor and vertical screw conveyor on extruder. Crushed soya bean in feeding screw conveyor and conditioner is heated with steam. Then transferred to pressurized barrel by vertical screw conveyor. Soya is cooked with friction way in barrel.

Feed the animals with raw soya may effected health negatively. We reach high temperature (160°C) by friction way in short time thereby reduce and remove adverse effects of proteaz inhibitor, hemogglutinin, goitrogenic, allergen, etc. extuder capacity 6-8 t/h (stesmy)

MODEL	DIMENSIONS					MOTOR POWER
	A	B	C	D	E	
GEK Ø195*2200	3534	2077	1465	920	2200	250 KW



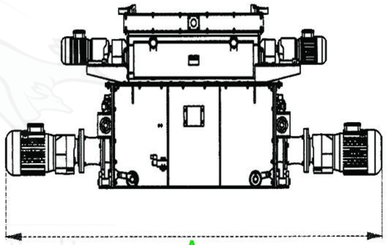


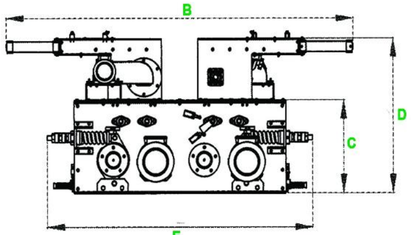
GPS-ASCOM

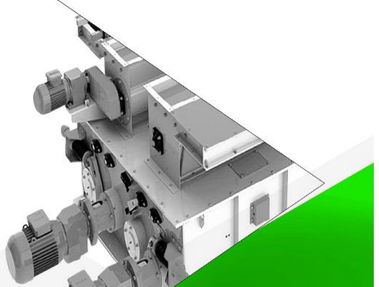
CRUMBLER FEEDER GGR

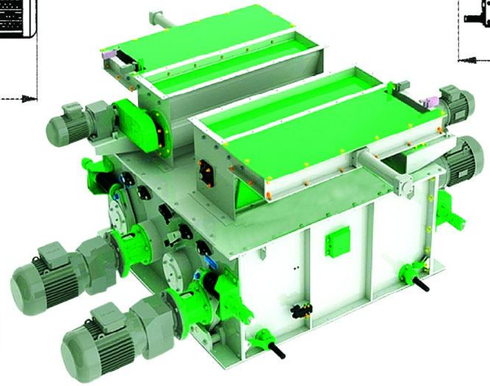
MODEL		DIMENSIONS					MOTOR POWER	MOTOR QTY	VALVE QTY
		A	B	C	D	E			
GGR	Ø200*800	2500	1000	475	875	800	3 Kw	2	2
GGR	Ø200*1000	2570	1050	600	875	1250	4 Kw	2	2
GGR	Ø300*1250	3000	2450	500	1005	1820	7,5 Kw	4	4
GGR	Ø350*1500	3755	2460	540	1028	2430	15 Kw	4	4

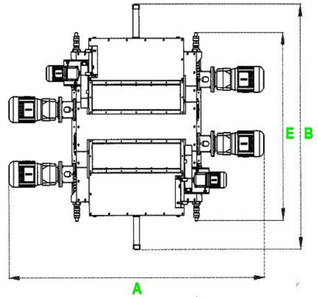
the Body is in steel construction
Available valve balls fixed with springs to crush products coming from top bunker
It is directly driven with motor by coupling system
Valve balls' piece, diameter and lenght can be changed as capacity
Valve gap can be mechanic/automatic arranged as desired size
Available sample receiving cover during working
Regularly feeding system
Crumbler can be inactive with by bass flap
Strong and flexible structure for impacts
Used to pellet breaking in 1mm-4 mm





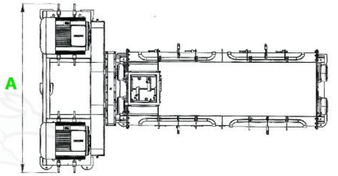


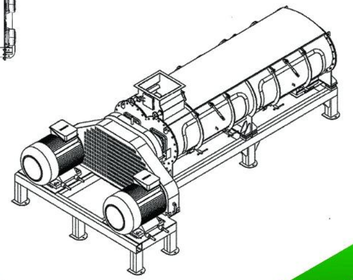


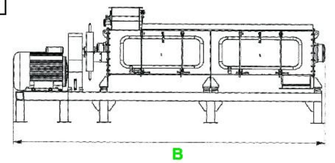


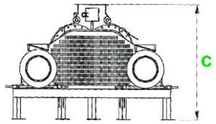
Ø type body is manufactured in St37 or AISI 304 material, inside of machine is covered with a special material to prevent product sticking.
Manufactured with single or double paddle types.
Wide entry gates.
Provide homogeneous mixing in 1-11% liquid.
Available various dimensions as capacity.
Provide homogeneous mixing with heating molasses in 40-42 °C
Continuing system.
Minimized vibration by static and dynamic balanced.

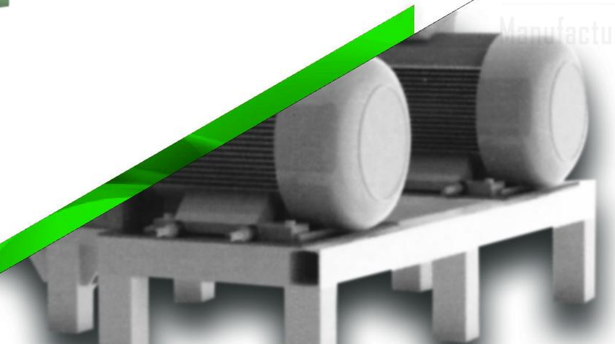
MODEL		DIMENSIONS			MOTOR POWER	SHAFT QTY
		A	B	C		
GML	Ø400	1150	1450	1060	7,5	1
GML	Ø450	1040	1850	1100	15	1
GML	Ø600	1250	2315	1325	30	1
GML	Ø460	2145	4290	1493	30	2
GML	Ø600	2300	4550	1632	55	2
GML	Ø640	1270	2600	2200	45	2

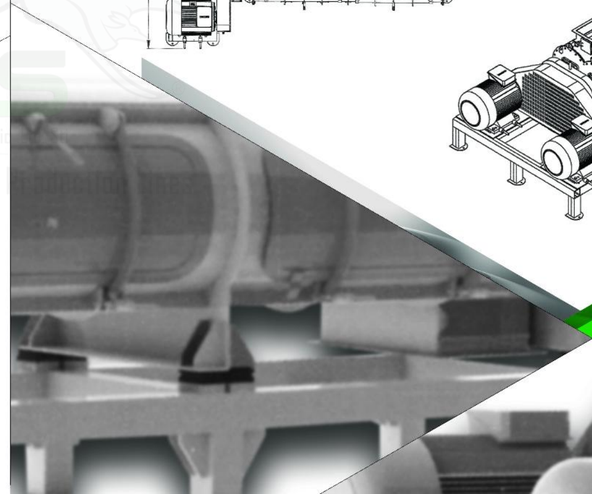










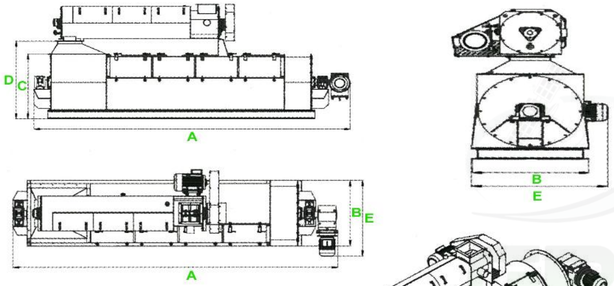


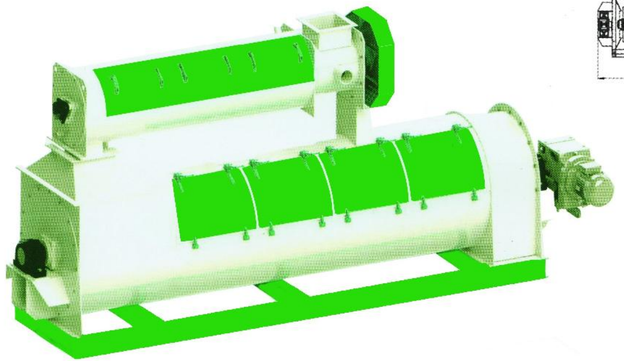
Ultra Pellet Preparative(UPH).I

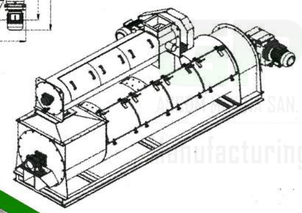
It enables to destroy bacterias from feed in virtue of heating in a given time

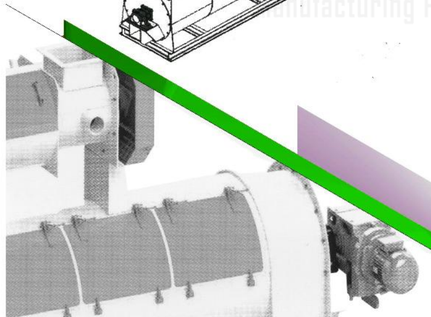
UPH can be manufactured in various dimensions as pellet press capacity. Conditioner and feeding screw conveyor are installed on UPH. Steam is injected to product in conditioner and then heated product is received to UPH. Product remains between helix flights with slow motion in determined time and takes heat from whole surface. Product is processed in UPH at 80-85 °C. UPH enables to destroy bacterias of passing product.

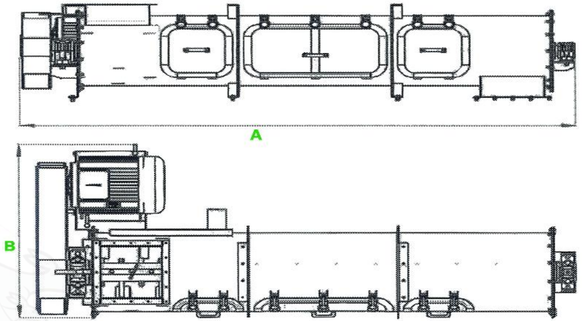
MODEL		DIMENSIONS					MOTOR POWER
		A	B	C	D	E	
GUPH	Ø940*4390	5300	1180	1260	1510	1300	3KW
GUPH	Ø1150*5500	7000	1450	1560	1854	1450	4KW







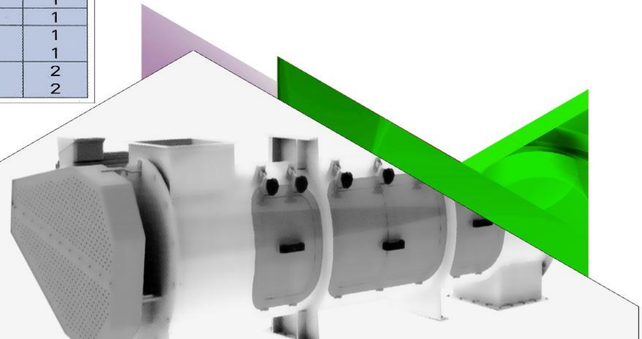




MODEL		DIMENSIONS			MOTOR POWER	PELLET PRESS	QTY
		A	B	C			
GKN	Ø300	2240	820	540	4 Kw	PL 305*90	1
						PL 305*102	1
						PL 453*112	1
GKN	Ø400	2250	830	600	5,5 Kw	PL 520*132	1
GKN	Ø450	2250	850	640	7,5 Kw	PL 520*175	1
						PL 900*250	1
GKN	Ø450	3310	1040	660	11 Kw	PL 660*230	2
					15 Kw	PL 760*230	2

Pellet Conditioner

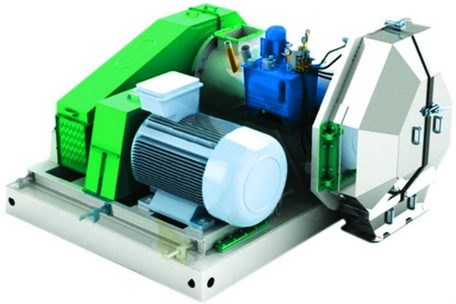
Conditioners consist of 1-3 layers as pellet press capacity. Conditioner provides homogenous steam or liquid diffusion to product. Adjustable paddles obtain desired product tempering. Steam is injected to semi-finished product thus pelleting capacity increases.



GPS-ASCOM

Pave the Way
for success

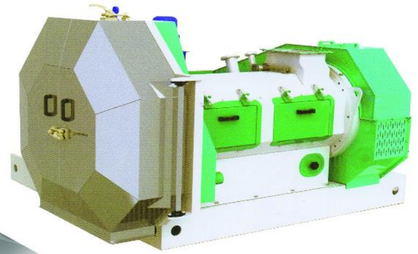
GPS-ASCOM

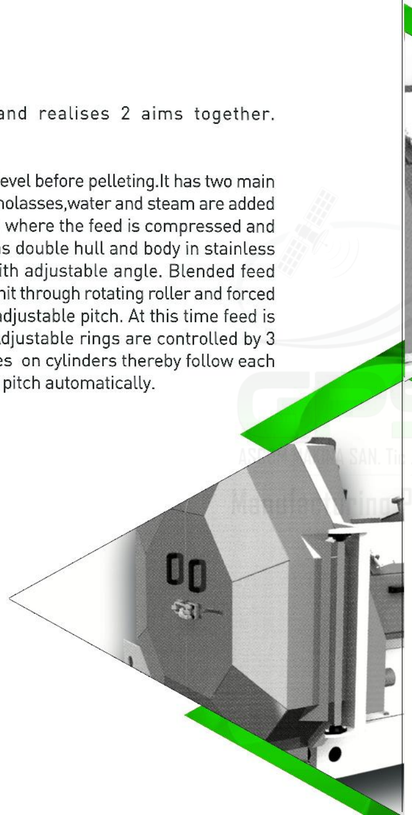


Pelpeak is used for pellet units and realises 2 aims together.

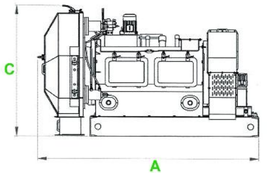
- Raise press efficiency
- Raise pellet quality

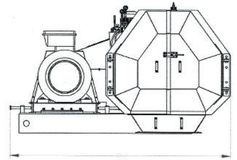
Pelpeak renders the feed to an optimum level before pelleting.It has two main units.The first unit, where liquids like oil,molasses,water and steam are added to the feed and blended; and the second, where the feed is compressed and intensified before pelleting. First unit has double hull and body in stainless steel. Rotor is installed with paddles with adjustable angle. Blended feed coming from first unit is gone to second unit through rotating roller and forced to percolate through conical rings with adjustable pitch. At this time feed is proportionately densified by pressing. Adjustable rings are controlled by 3 pcs hyraulic cylinder. Available liner rules on cylinders thereby follow each cylinder from panel. So you can regulate pitch automatically.

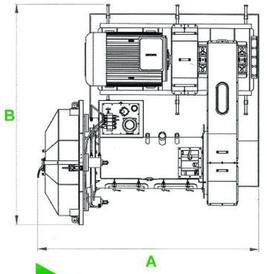


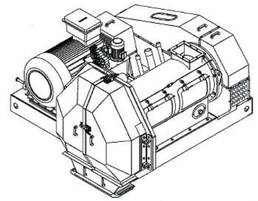


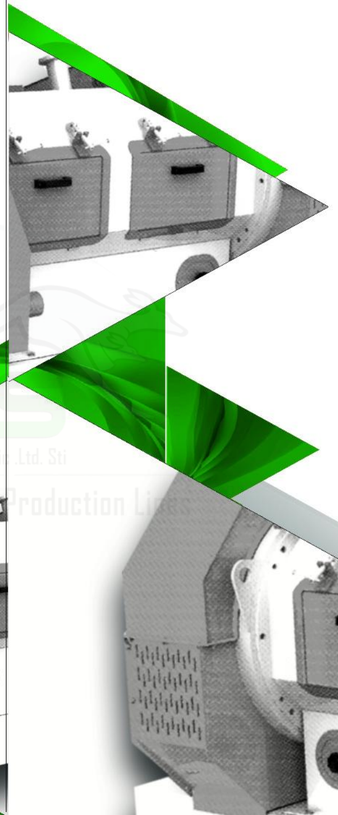
MODEL		DIMENSIONS			DIE Ø	DIE WIDTH	ROLLER Ø	ROLLER WIDTH	ROLLER QTY	MOTOR POWER
		A	B	C						
GPP	Ø600*1500	3010	3010	1780	980	70	295	135	2	200



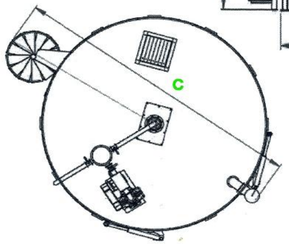


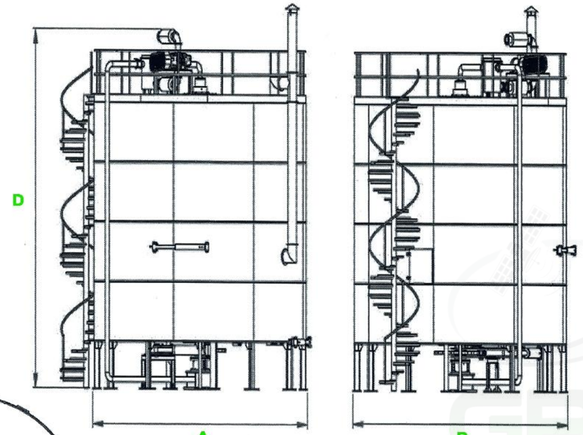






Fertilizer dryer consists of 2 decks. Product received to machine are discharged in 7-15 days. Available rotor for mixing motion. Levers on rotor are injected air to fertilizer and provided continue mixing. Injected hot air is ensured to reduce fertilizer fermentation time. When product is finished the motion in first section, it is received to second section by passing gate.



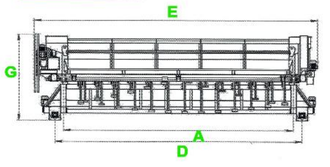


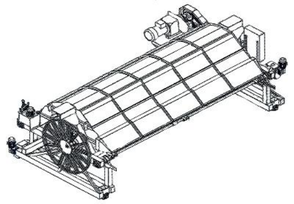
MODEL		DIMENSIONS				CAPACITY (100 T)	DECK
		A	B	C	D		
GFK	6000	6250	2250	8100	7550	100	2

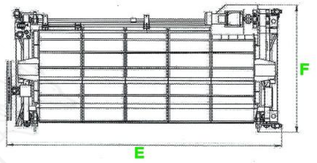
GPS-ASCOM

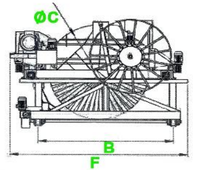
This machine is used to mix,dry and turn the waste of animals into organic fertilizer for the soil

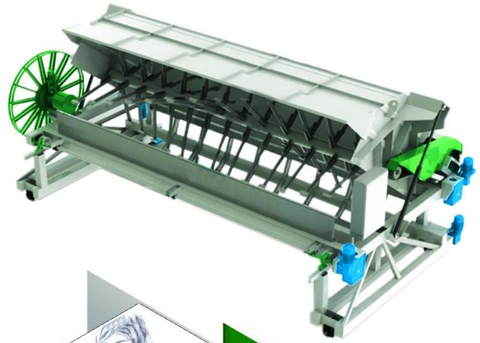
It enables to aeration mixing organic fertilizer in drying pool. It runs to mix through pool by rails installed pool sides. Available transporting vehicle between pools in multi-pool system. It provides perfectly mixing by switches on pools. Rotor paddles in machine able to mix whole fertilizer in the pool.



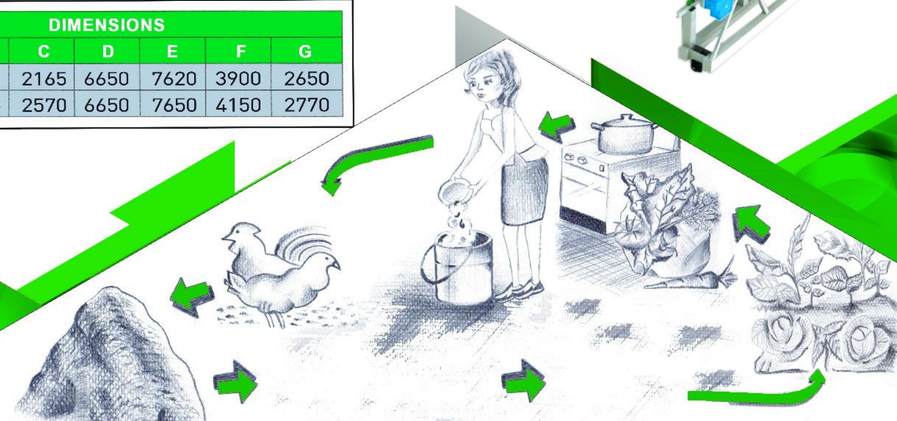


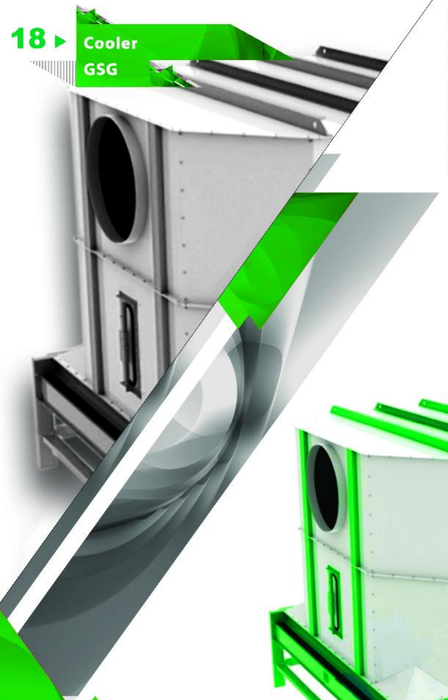






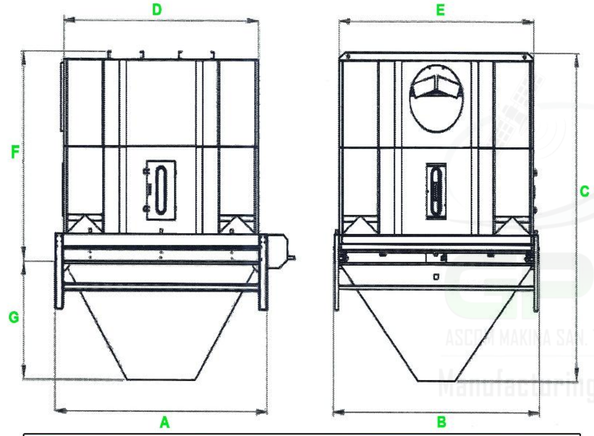
MODEL		DIMENSIONS						
		A	B	C	D	E	F	G
GGK	2150	6185	2975	2165	6650	7620	3900	2650
GGK	2570	6215	3415	2570	6650	7650	4150	2770





Single Deck Cooler

Available opening-closing grid at cooler bottom, top and bottom level indicators to arrange product level in body. Product is filled from closed grid at bottom to top level indicator through airlock. Air intake is occured from bottom cell during product flowing from grid, hot air is sucked by aspiration system from top cell, thus product is begun to cool from bottom to top. When product is lowered to bottom indicator, grid is closed meanwhile product filling is continued.

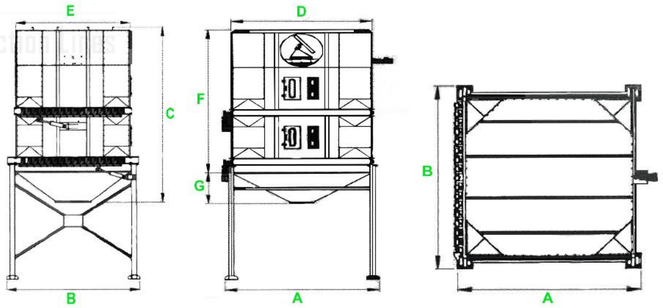


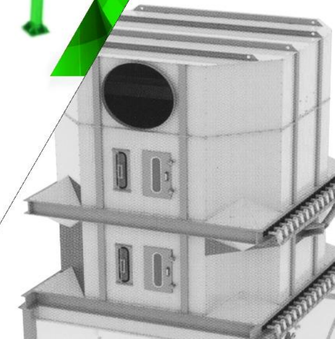
MODEL	DIMENSIONS						
	A	B	C	D	E	F	G
GSG 1900*2400	2155	2100	2860	2400	1990	1300	900
GSG 2400*2400	2750	2600	2900	2500	2500	1785	1000
GSG 2400*2700	2800	3040	2900	2400	2800	2575	1125
GSG 2400*3000	2620	3100	3180	2500	3100	1750	900
GSG 2800*3400	3770	3100	3700	2900	3500	1900	900
GSG 3200*3200	3440	3440	4380	3300	3300	2800	1580

Double Deck Cooler

Double deck cooler is designed to avoid retention time for factories with often product passages. Available opening-closing grids at cooler bottom and top decks, top and bottom level indicators for every deck to arrange product level in body. Product is filled from closed grid at bottom to top level indicator through airlock. Air intake is occured from holes on pannels, hot air is sucked by aspiration system from top cell, thus product is begun to cool from bottom to top. When product is lowered to bottom indicator, grid is closed meanwhile product filling is continued.

MODEL	DIMENSIONS						
	A	B	C	D	E	F	G
SG 2400*2400	2800	2760	4325	2500	2500	2965	850
SG 2870*2870	3280	3430	5950	2925	2925	5000	1050
SG 3550*3550	3970	4210	5950	3625	3625	5000	1050





Premix unit is used to dose ingredients added feed like vitamin dsp, enzyme, etc. In powder or granuler formed

A - Premix Unit GPU

A - Different mineral and vitamin in silo are conveyed to weighing hopper by screw conveyors. Screw conveyors work separately. Each product is weighed respectively. Weighing hopper outlet is controlled by pneumatic gate. Weighed product is received to bottom feeding bunker. It enables to system progression owing to reduce retention time of mixer.

B - Crusher GFP

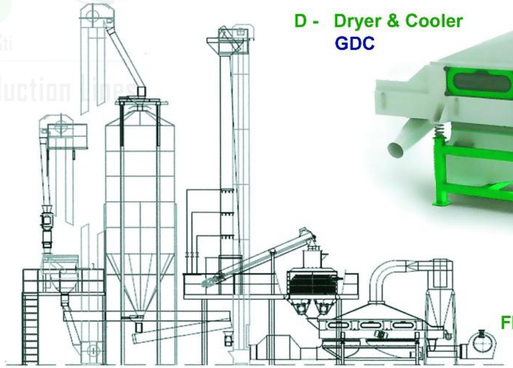
B - Available two crushing balls in body. Distributor is placed on product inlet duct to provide stable product distribution on balls. Distributed product is directed towards ball center. One of balls is fixed and other one is movable to arrange flake thickness. Ball pressure power is supplied by springs on adjusting lever. Indicators on adjusting lever end are controlled gap equity on two ends of balls. Every two balls are driven by different motors separately.

C - The products conveyed by elevators are discharged top bunker of tower and then filled to tempering tower. Steam is injected to system from tower bottom. Semi-finishing products are tempered with steam in tower. Discharged product is conveyed to crusher by double screw conveyor under tower. Available heat meter on system to check tempature.

D - Machine is placed under crusher. Machine system works by vibration. Product coming from crusher to dryer & cooler is passed from three phases.

1. Phase: reducing humidity by dry and hot air.
2. Phase: cooling by dry and cool air.
3. Phase: sifting dust and fine particles.

Heater -supplier hot air to system-, works by natural gas, electric or steam tunnels. In cooling phase, product is cooled by ambient air after filtered. Filtered air is sucked by aspiration system placed to top. Cyclone system in aspiration system, recycles dust and fine particles from sucked air to system.



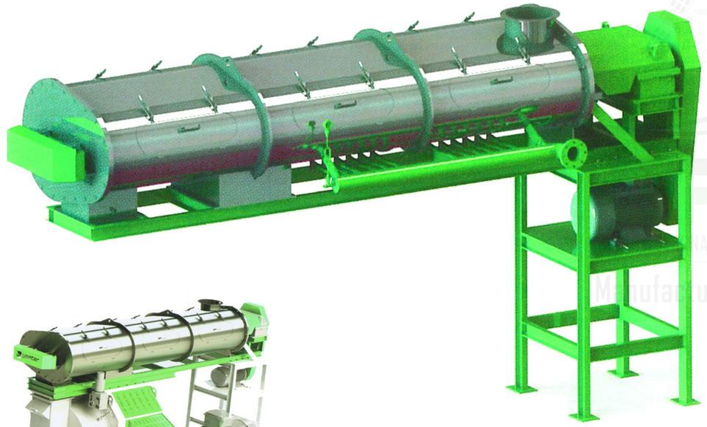
Flake Plant

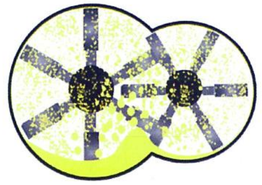
D - Dryer & Cooler GDC

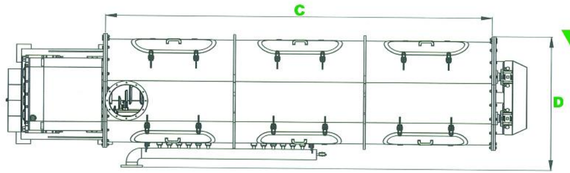
C - Tempering Tower GTT

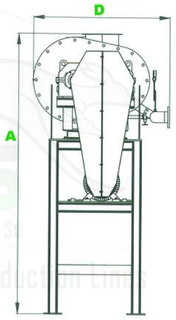
Mixing capacity 30 t/h
Driven by 30 Kw motor.
Special designed reducer provides rotor revolution in different rotation and synchronization.
Body is produced in AISI 304 Stainless Material.
Bolt connected paddles for easy assembly / disassembly and calibration.
Large maintanence gates to easy access.
Feed retention time 90-120 sec.

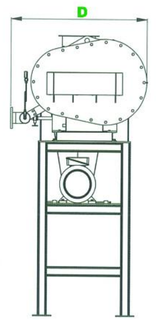
Provide semi-finished product tempered by steam. Availble to add liquids as molasses, enzyme, etc. to conditioner. Increase feed, steam, liquid mixing quality via several body diameter and shaft speed. Retentition time can be change with adjustable paddle angles. thus obtain gelatinisation of product starch under heat.

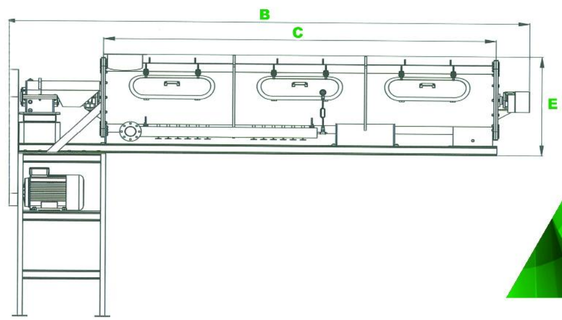




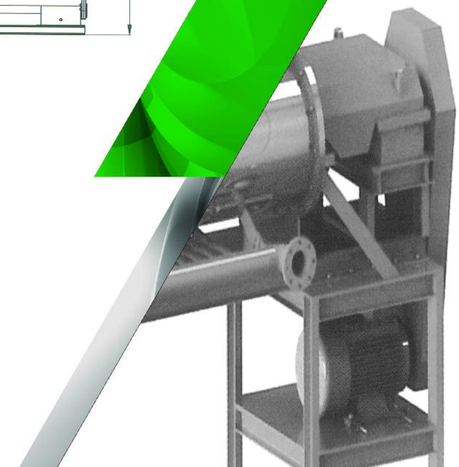






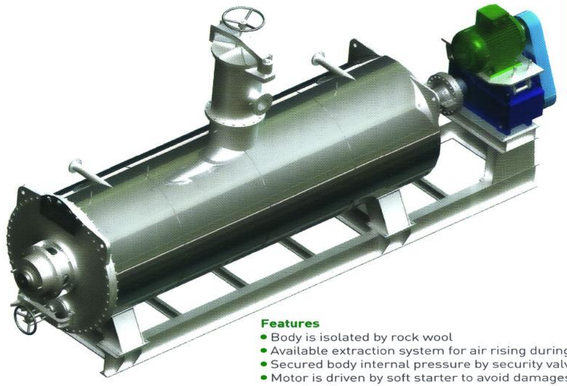


MODEL	DIMENSIONS					MOTOR POWER
	A	B	C	D	E	
GKN Ø670-Ø500×3300	3292	4448	3334	1371	1132	22 KW
GKN Ø760-Ø580×4000	2908	5237	4000	1522	1096	30 KW



Rendering Boiler

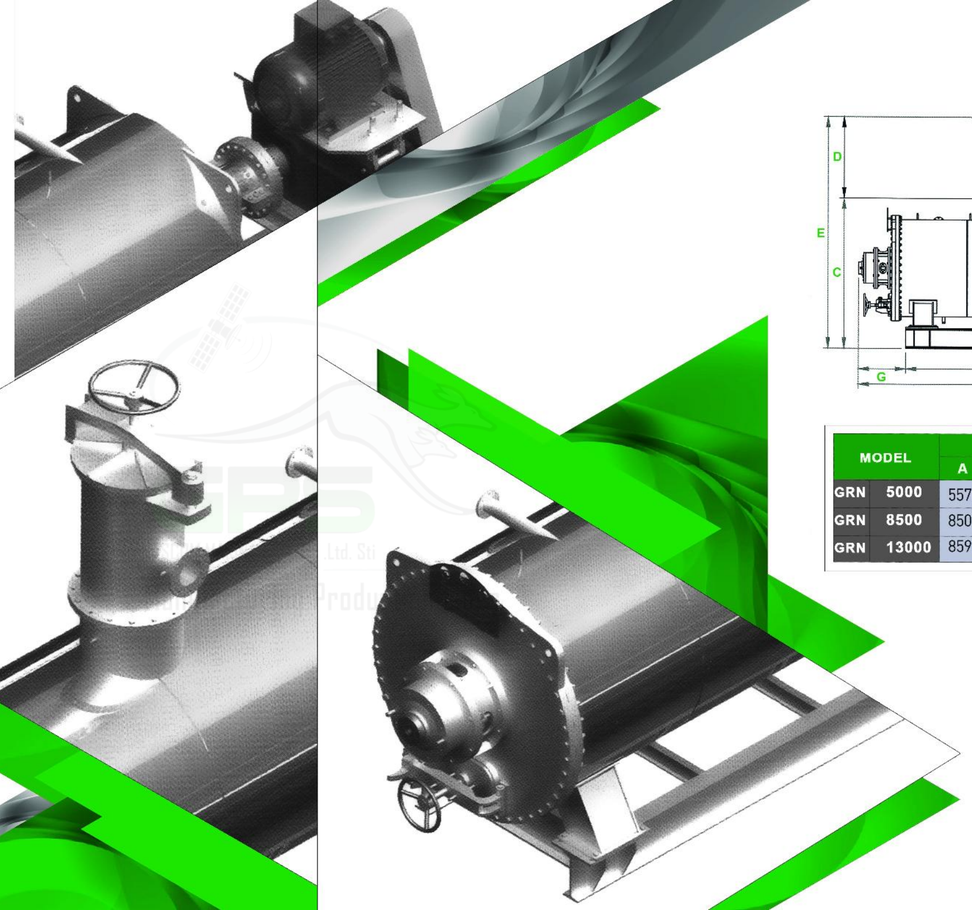
The cooking process to the remnants and the remains of the animals like(legs,feathers and the rest remnants from the altars of the animals) is done inside the boiler

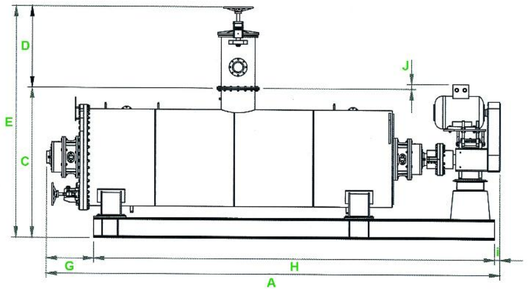


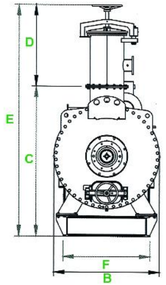
Features

- Body is isolated by rock wool
- Available extraction system for air rising during first steam injection to jacket
- Secured body internal pressure by security valve
- Motor is driven by soft starter to avoid damages consists of sudden stress and over loading.
- Paddles in thick pipe and shaft are steam heated.
- Paddle array on shaft enables to homogeneous mixing.
- Shaft is connected to reducer by coupling.
- Shaft can be turned two directions.
- Prevented steam leakage in housing.
- Top filling gate with secured locking system.
- Special pipe system sucking condense to steam recycle.
- Prevented refusal outgoing via filtering at gas pipe outlet.
- Cooking time can be changed as material type.
- Body is manufactured in double hull and resistant to 10 bar working pressure and 20 bar test pressure.

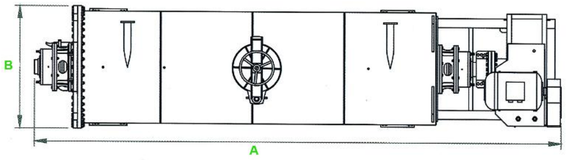
GPS-ASCOM



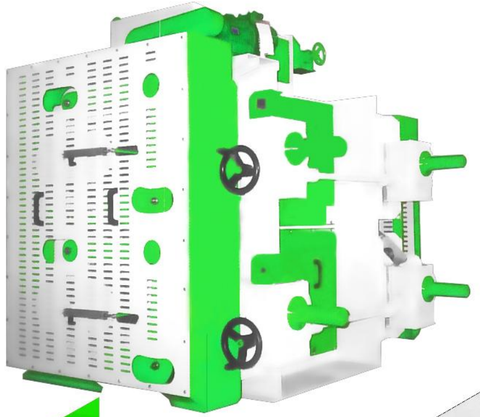




MODEL		DIMENSIONS										MOTOR POWER
		A	B	C	D	E	F	G	H	I	J	
GRN	5000	5570	1500	2287	Min.1250	Min.2750	1325	860	4650	60	*	37 Kw
GRN	8500	8500	1700	2450	Min.1500	Min.3950	1320	910	7300	290	*	55 Kw
GRN	13000	8597	2000	2838	Min.1500	Min.4338	1649	897,5	7600	99,5	95	110 Kw



Product received from feeding screw conveyor is evenly distributed among balls. You can arrange valve balls as desired product size. Product can be crushed in 1-3 decks by valve balls as required capacity.



Features

High quality valve balls are casted, processed and turning accordingly standards

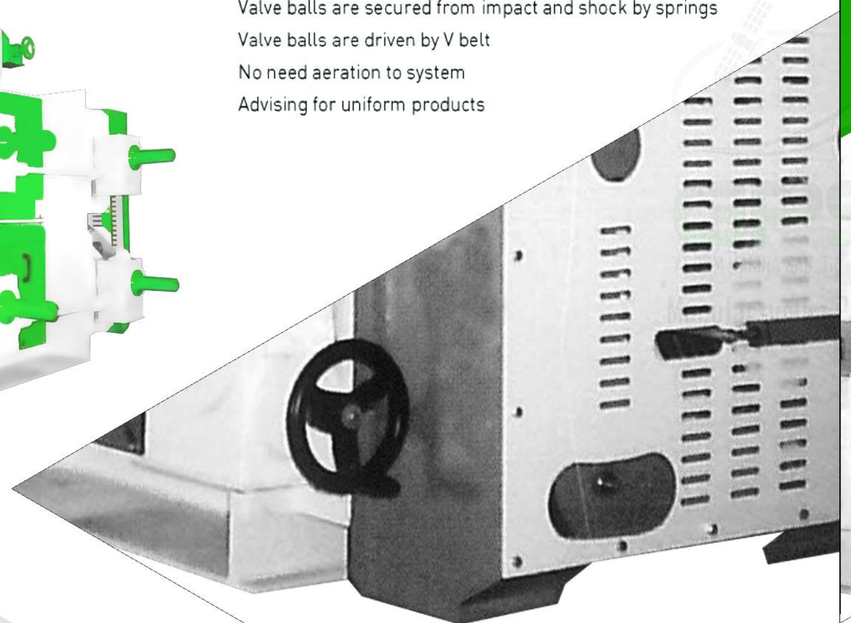
Roller bearing is placed in heavy duty bearing case

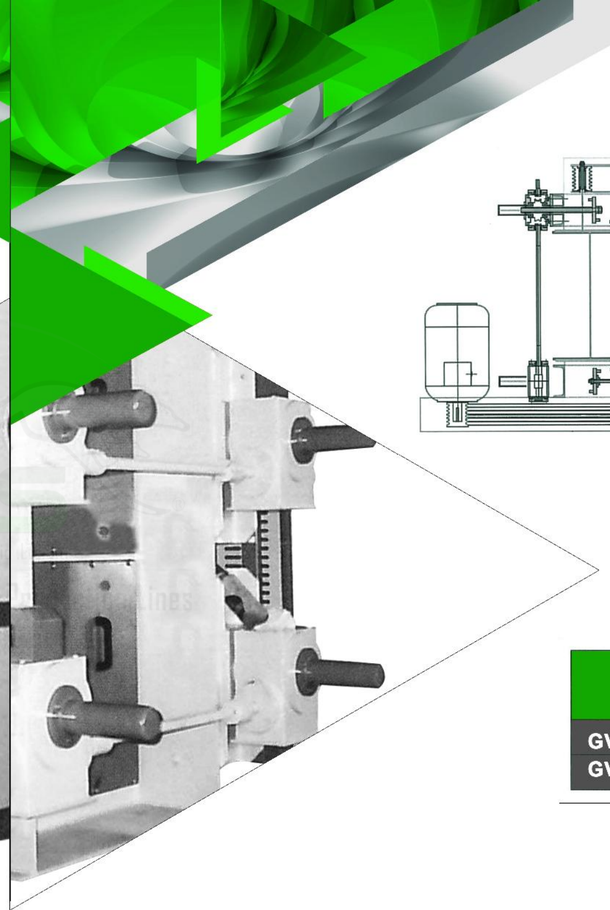
Valve balls are secured from impact and shock by springs

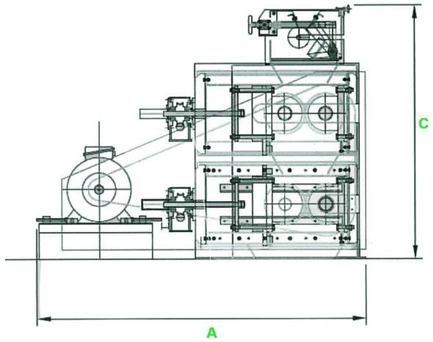
Valve balls are driven by V belt

No need aeration to system

Advising for uniform products



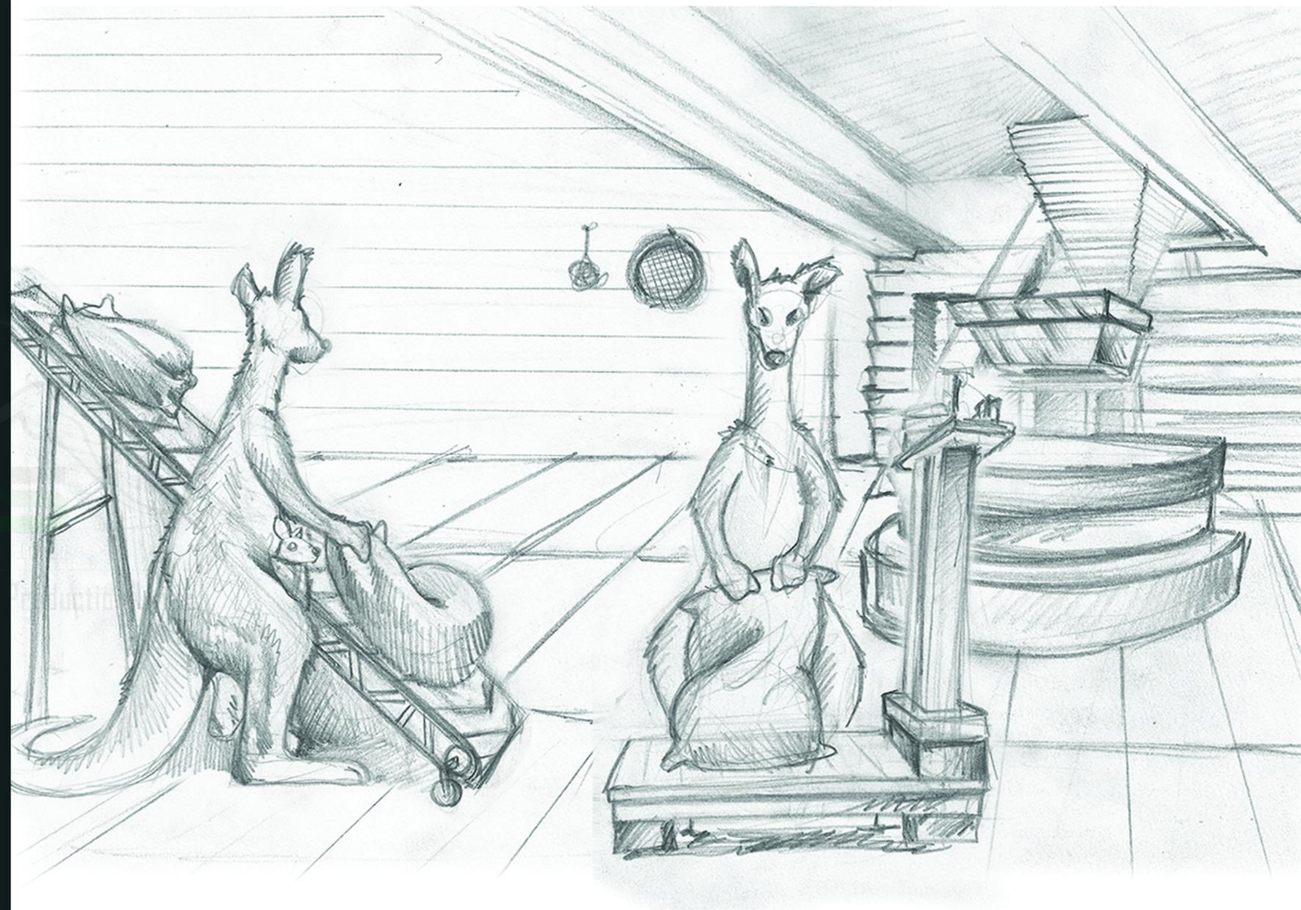




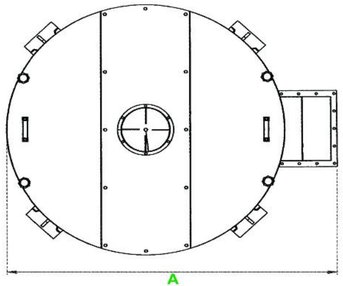
MODEL		DIMENSIONS			MOTOR POWER	VALVE QTY
		A	B	C		
GVD	Ø230×915	680	1500	900	18,5 Kw	4
GVD	Ø305×915	1050	1800	1350	37 Kw	4

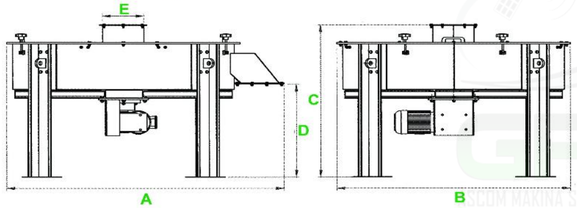
GPS-ASCOM

4-Packing and Transferring Section



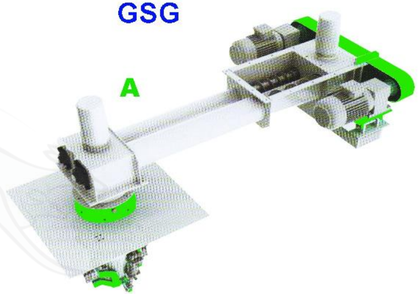
Available special designed screen in pan sifters. Sifters are designed central or side driven as capacity. Semi finished products dropped on screen, are dispersed towards to sides by centrifugal force. Powder and fine particules are separated by quake and vibration occured product impacting to screen and than received powder collecting bunker to recycle to system.



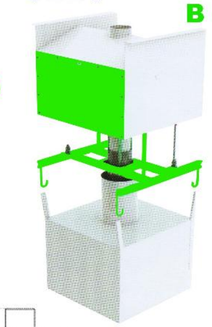


MODEL		DIMENSIONS					MOTOR POWER
		A	B	C	D	E	
GEK	Ø1500	1875	1580	1150	700	280	1,5 Kw
GEK	Ø2000	2450	2120	1560	920	400	4 Kw
GEK	Ø2500	3267	2620	1625	*	340	4 Kw

Gross Bagging Scale
GSG

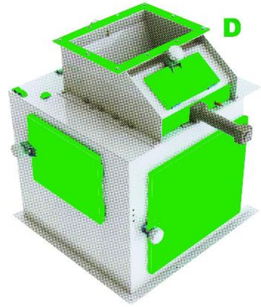


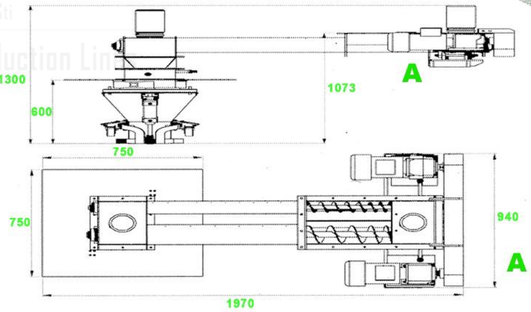
Big Bag Scale
GBBS

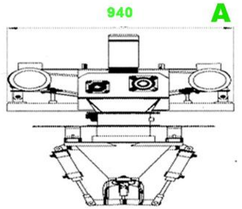


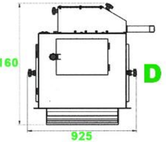
ventil Scale
GVS

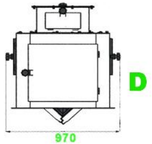
Continous Scale
GSC

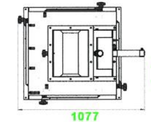






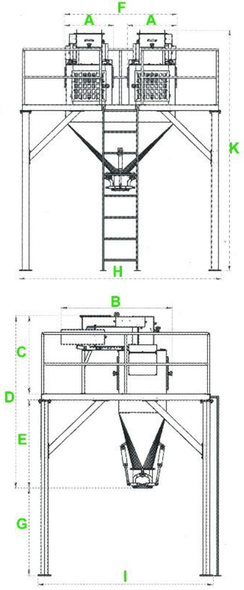






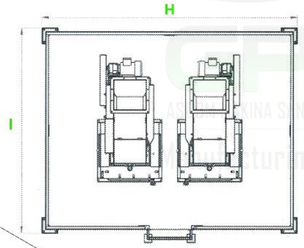
BAGGING SCALE
GTK50

Electronic Bagging Scale;
Bagging scales enable to scale and bag powder and granular products in varios industries.

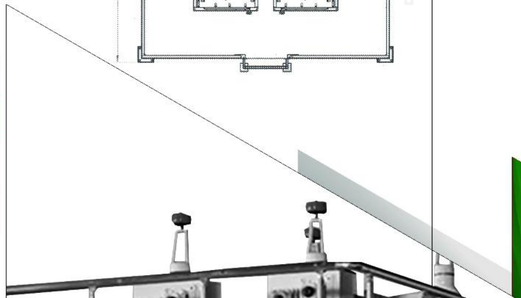


Features

Body in St37 material.
PLC controlled.
Final bag weight, total bag number and total weight can be seen on command panel.
Daily values can be deleted as required but general total can be deleted by only authorized operator.
Self scale error correcting.
Scale errors can be seen on command panel.
Scale resumes running in case of power outage.
Scale sensivity ±50 gr/bag.
Available piston product stopper in top body after sensivite weighing.
Special band for product feeding to scale.
Pneumatic gates to hold and leave product in scale.
Available pneumatic bag holding system in bottom hopper.
Reducer is driven to band by bely pulley.
Single scale capacity is 8 b/m, double one is 12 b/m.



MODEL	DIMENSIONS									
	A	B	C	D	E	F	G	H	I	K
TK50T Single	750	1750	1275	2600	1250	-	1255	3170	2170	3940
TK50C Double	750	1750	1275	2800	1425	1950	1255	3500	2750	4285



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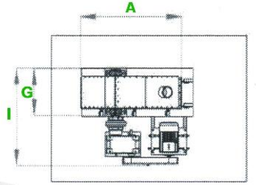
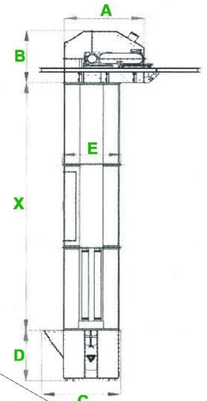
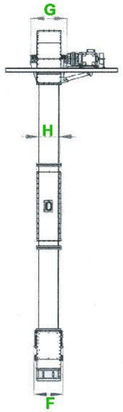
ELEVATOR
GEL

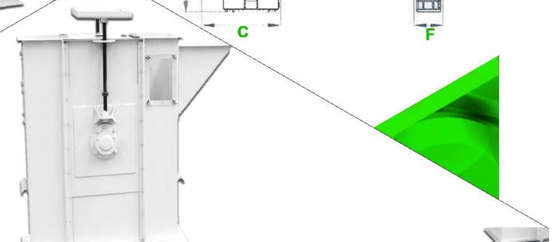
Elevator used for carrying out pulse and cereal etc. in vertical direction at mainly food industry. Machine is fully manufactured of steel construction and which works dustless ,silent, independent and coupled. Elevator is chosen for capacity, various types of special steel and plastic bucket to be connected depending on work ambient. Specially designed motor bracket suitable for every type of reducer motors and has advantages of having usage in each two directions. Speed adjustment control system , sensor and back return locking control units can be installed as require. Complete chrome (AISI 304) models are available optionally.

Model	DIMENSIONS							
	A	B	C	D	E	F	G	H
GEL ϕ 300	876	615	839	611	596	292	411	179
GEL ϕ 400*180	1190	940	1160	477	830	416	480	250
GEL ϕ 500*230	1415	1030	1400	1000	984	427	525	285
GEL ϕ 600*300	1760	1240	1760	1354	1200	575	728	400
GEL ϕ 600*350	1845	1240	1860	1354	1300	630	750	445
GEL ϕ 700	1932	1515	1895	1470	1430	692	872	500
GEL ϕ 900*550	2360	2050	2070	1575	1510	800	1074	560

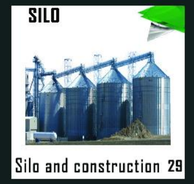


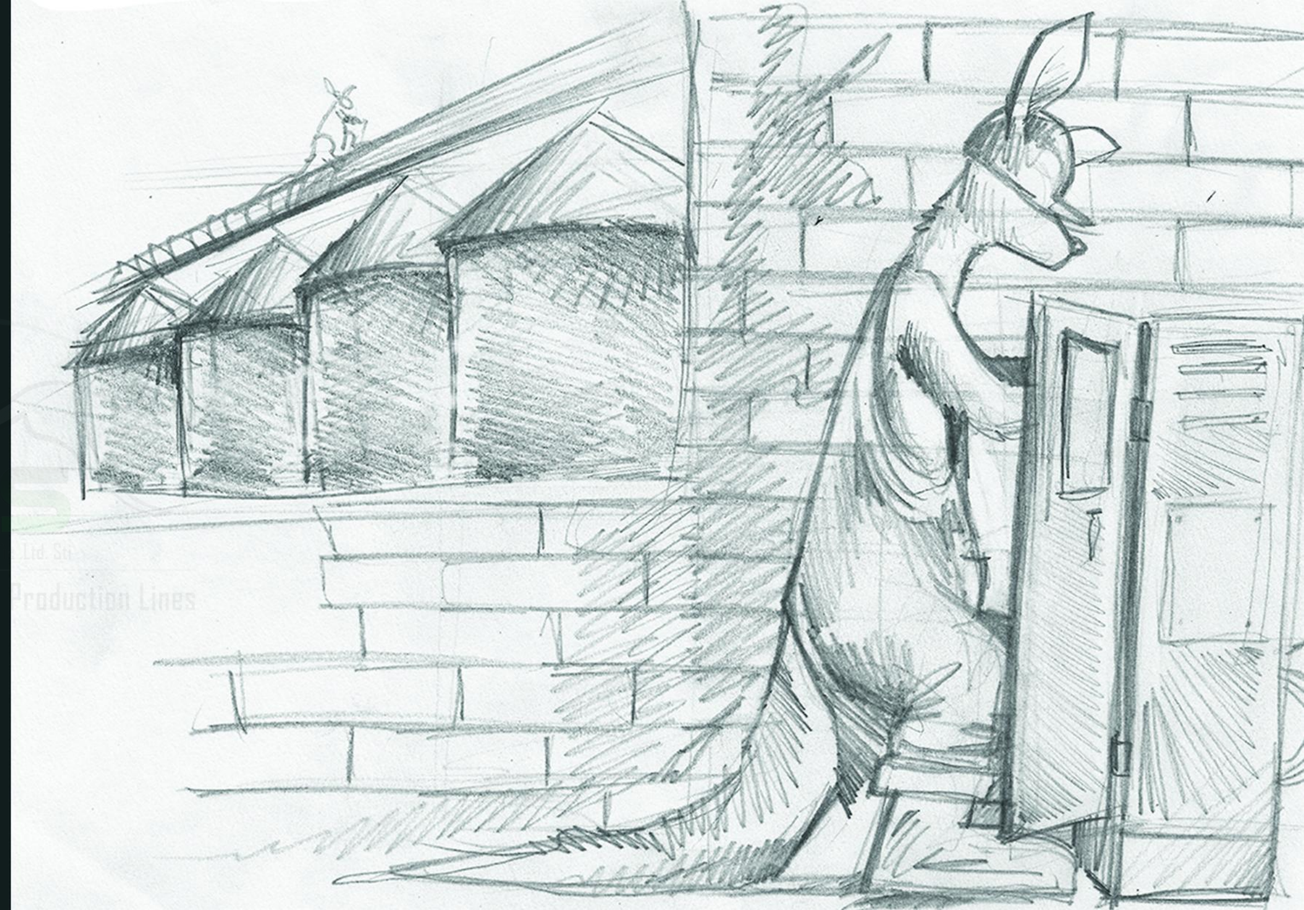


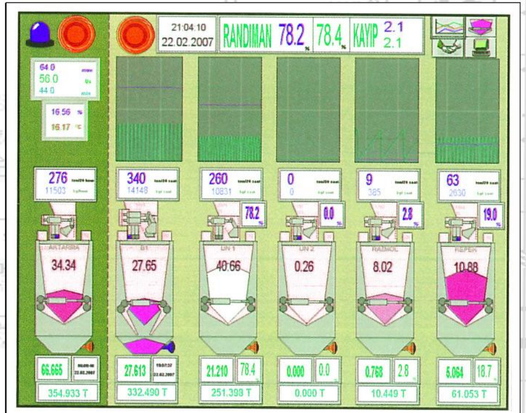




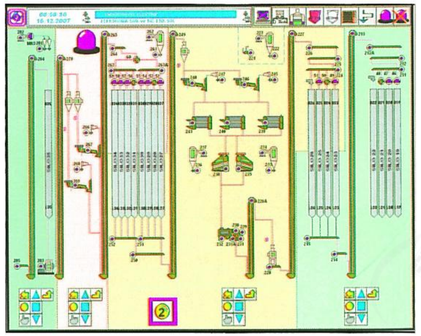
5-Outside Construction and Electricity Section



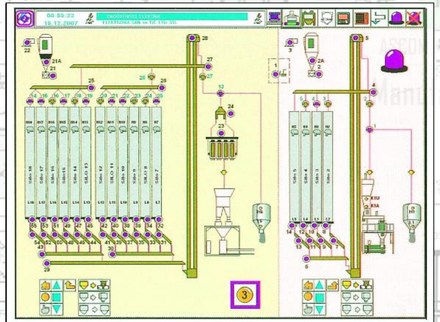




Extraction Rate Control Scada System



Cleaning Scada System



Pachaging Unit Scada System

MCC Command Control Panel

BAGGING SYSTEM PANEL

PLC Panel

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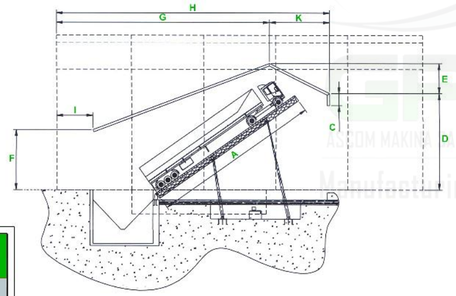
1- Vertical and horizontal building made from Iron
2- Storage Silo
3- Steel yard
4- Unloading Platforms

Forklift

Balance Land Station

Truck Tipping Platform



Model Type	Electrical Motor		Dimensions (mm)									
	kw	d/dk rpm	A	B	C	D	E	F	G	H	I	K
GMK 3×9	7,5	1500	9000	3000	1000	7000	2000	5000	14000	19000	3000	5000
GMK 3×14	11	1500	14000	3000	1000	8000	3000	5000	18000	23000	3000	5000
GMK 3×16	15	1500	16000	3000	1000	9000	4000	5000	20000	25000	3000	5000
GMK 3×18	37	1500	18000	3000	1000	11000	6000	7000	-	-	-	-

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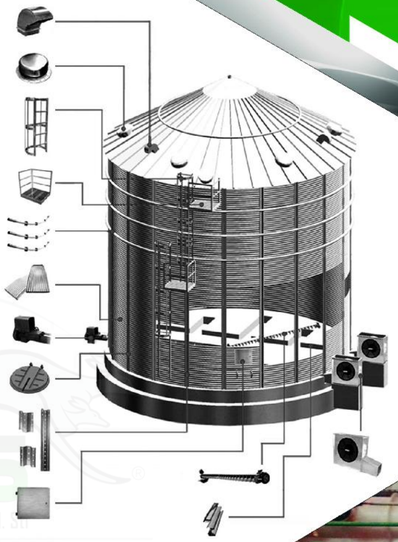
Silo and construction



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